

ABSTRACT

A method for producing a membrane electrode assembly 1 for solid polymer electrolyte fuel cell, the membrane electrode assembly 1 including a solid polymer electrolyte membrane 2 comprising an ion exchange membrane, a first electrode 3 having a first catalyst layer 31, and a second electrode 4 having a second catalyst layer 41, the first electrode 3 and the second electrode 4 being disposed so as to be opposed to each other via the ion exchange membrane, the method including: applying a coating solution containing a catalyst onto a base film 101 to form a first catalyst layer 31; applying a coating solution containing an ion exchange resin dissolved or dispersed in a liquid onto the first catalyst layer 31 to form an ion exchange membrane; then applying a coating solution containing a catalyst onto the ion exchange membrane to form a second catalyst layer 41; and finally, peeling off the base film 101 from a resulting laminate. According to this method, it is possible to produce membrane electrode assembly 1 for high-performance solid polymer electrolyte fuel cell having catalyst layers each having a uniform thickness efficiently and continuously.